



**AUCTION OF
1800 MHz SPECTRUM RIGHT**

INFORMATION MEMORANDUM

17 December 2008
(Updated on 31 December 2008)

INFO-COMMUNICATIONS DEVELOPMENT AUTHORITY
REPUBLIC OF SINGAPORE

Important Notice

Terms and expressions used in this Important Notice are as defined in this Information Memorandum.

This Information Memorandum has been prepared in connection with the proposed grant of an 1800 MHz Spectrum Right pursuant to the Telecommunications (Radio-communication) Regulations. This Information Memorandum is for informational purposes only. It is made available on the express understanding that it will be used for the sole purpose of assisting an interested person in deciding whether it wishes to proceed with a further investigation of possible participation in the Auction.

This Information Memorandum is not intended to form any part of the basis of any investment decision or other evaluation of any decision to participate in the Auction and should not be considered as a recommendation by IDA or IDA's advisers to participate in the Auction. Each interested person must make its own independent assessment of the potential value of an 1800 MHz Spectrum Right after making such investigation as it may deem necessary. All information contained in this Information Memorandum may be updated or amended at any time.

While the information contained in this Information Memorandum is believed to be accurate as at the time of posting on IDA's website, it has not been independently verified by IDA or its advisers. Neither IDA nor any of IDA's advisers nor any of their respective directors, partners, officers or employees make any representation or warranty (express or implied) nor has nor will have any responsibility or liability in relation to the accuracy or completeness of the information contained in this Information Memorandum or any other written or oral information made available to any interested person or its advisers. Any responsibility or liability in respect of any such information or any inaccuracy in this Information Memorandum or omission from this Information Memorandum is expressly disclaimed.

This Information Memorandum does not constitute an offer or invitation to participate in the Auction.

Each recipient of this Information Memorandum should consult its own professional advisers as to financial, legal, tax and other matters concerning any potential participation in the Auction or any grant of an 1800 MHz Spectrum Right.

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(A) GENERAL INFORMATION

1. Introduction

1.1 The Info-communications Development Authority of Singapore (“IDA”) is the authority in charge of regulating and promoting the information and communication technology industry in Singapore. Pursuant to the Telecommunications (Radio-communication) Regulations, IDA will offer to grant one 1800 MHz Spectrum Right in respect of **one 2x5 MHz lot of 1800 MHz spectrum (“1800 MHz Spectrum Lot”)** by way of the process described in this Information Memorandum (“Auction”). A 1800 MHz Spectrum Right will permit the Bidder to use the 1800 MHz Spectrum Lot it is allocated in the Auction to operate a telecommunication system for the purposes of providing Public Cellular Mobile Telecommunication Services (“PCMTS”), provided that the Winning Bidder has or obtains the necessary Facilities-Based Operator Licence (“FBO Licence”) for such operations. This Information Memorandum contains important information that interested persons should read and understand for the purpose of the Auction.

1.2 This Information Memorandum contains:

- Details of the 1800 MHz Spectrum Lot offered for allocation in the Auction and 1800 MHz Spectrum Right that will be granted in respect thereof;
- a review of associated policy issues;
- an indicative timetable; and
- a description of the application process.

Unless expressly specified otherwise, terms and expressions used in this Information Memorandum are defined in the Auction Rules (please see “Auction of 1800 MHz Spectrum Right – Auction Rules” released by IDA on 17 December 2008).

2. Spectrum to be Allocated

2.1 IDA will allocate one of the 3 lots of 1800 MHz spectrum shown in Table 1 (“Available Spectrum Lots”). The specific 1800 MHz Spectrum Lot to be allocated will be determined through the Auction.

Table 1: Available Spectrum Lots

Lot	Lower Band (MHz)	Upper Band (MHz)
A	1730 – 1735	1825 – 1830
B	1735 – 1740	1830 – 1835
C	1780 – 1785	1875 – 1880

3. Existing use of the Spectrum

3.1 The 1800 MHz frequency band has been designated for the provision of PCMTS in Singapore. The 1800 MHz frequency band has been partially assigned to SingTel Mobile Pte Ltd, MobileOne Ltd and StarHub Mobile Pte Ltd in their respective 2G Spectrum Rights which will expire on 31 December 2008, and their respective PCMTS Spectrum Rights which will commence on 1 January 2009.

4. Use of the 1800 MHz Spectrum Lot

4.1 Given the importance of ensuring the continued provision of nationwide mobile telephone services to both businesses and consumers, including inbound roamers, the operator using the 1800 MHz Spectrum Lot will be required to provide PCMTS to members of the public.

4.2 IDA will not restrict the technology used to only existing 2G technologies. Bearing in mind the potential deployment of other technologies capable of providing PCMTS, IDA will allow 2G or 3G technologies and other technologies which share a similar platform and allow higher speed data services, such as GPRS, EDGE or HSDPA/HSUPA/HSPA, to be deployed in the 1800 MHz Spectrum Lot, as long as the spectrum is used for the provision of PCMTS.

4.3 Further, IDA is aware that there may be other technologies, existing or future, that may not be classified as 2G or 3G technologies or their evolved versions, but yet are capable of providing PCMTS. Should operators wish to deploy these technologies in the 1800 MHz Spectrum Lot, IDA will assess such requests on a case-by-case basis, taking into account issues such as the technical interference between these technologies, technologies deployed in the neighbouring frequency bands and other relevant considerations.

4.4 IDA will also allow operators to use the spectrum to provide other data services, including wireless broadband access, as long as they have met the requirement to provide PCMTS.

5. Rationale for Auction Approach

5.1 The auction methodology has been chosen to be the mechanism to allocate 1800 MHz Spectrum Right. This takes into account that spectrum is a scarce and finite resource and that a market-based allocation approach, such as an auction, is more effective in ensuring spectrum optimisation by operators. An auction will be a more efficient, objective and transparent approach for allocating scarce resources because it relies on market forces to allocate scarce resources to those who value them most. See Section B for overview of the Auction mechanism.

6. Applications and Initial Offers

6.1 In order to participate in the Auction, a person must submit an Application Form (accompanied by the documents specified in the Application Form), an Initial Offer Document and a Bank Guarantee (copies of which are respectively set out in Appendices 1, 2 and 3 to the Auction Rules).

6.2 IDA will determine: (a) whether the Application Form (accompanied by the documents specified in the Application Form), Initial Offer Document and Bank Guarantee are in compliance with the Auction Rules; and (b) whether a person submitting such documents is eligible and should be registered as a Bidder entitled to participate in the Auction.

6.3 IDA, when deciding whether such person should be registered as a Bidder in the Auction, may take into account, amongst other things:

- (a) whether, in the opinion of IDA, such person has demonstrated that it has the financial and technical capability to acquire the 1800 MHz Spectrum Right and operate a telecommunication system for the purposes of providing PCMTS in relation to that PCMTS Spectrum Right;
- (b) whether, in the opinion of IDA, such person is an Associated Bidder in relation to any other person(s) which submitted an Application Form;
- (c) whether it would be in the public interest for such person to be granted the 1800 MHz Spectrum Right ; and
- (d) all or any facts, circumstances or matters which IDA considers to be relevant including the financial or personal probity and standing of such person, or any company in the same corporate group as such person, or any director or shareholder of such company.

6.4 The 1800 MHz Spectrum Right will only be granted to a company incorporated in Singapore under the Companies Act (Cap. 50), or such other person IDA considers fit and appropriate.

7. Associated Bidder Groups

7.1 IDA is concerned to ensure that Bidders participating in the Auction are independent entities whose policy and operational decision-making processes are not influenced by any common shareholders or other connections.

7.2 IDA has the discretion to determine whether two or more persons which submit Application Forms are Associated Bidders in relation to each other. No more than one member of an Associated Bidder Group may participate in the Auction unless all members of that Associated Bidder Group have undertaken to IDA to reorganise themselves so as to cease to be Associated Bidders by such date as is specified by IDA. The Auction Rules contain guidelines as to the level of cross-shareholdings and other connections between such persons which will not, alone, result in such persons being determined to be Associated Bidders in relation to each other. Persons submitting Application Forms must provide supporting documentation to establish their independence.

7.3 If, after an 1800 MHz Spectrum Right has been provisionally awarded or granted, IDA determines that the holder of the 1800 MHz Spectrum Right was an Associated Bidder during the Auction, IDA reserves its right to take such actions as IDA considers appropriate, including revoking the provisional award or refusing to grant the 1800 MHz Spectrum Right in accordance with the Auction Rules and pursuant to IDA's powers under the Telecommunications (Radio-communication) Regulations.

8. Establishing a New Entity/Consortia

8.1 IDA appreciates that a person or a consortium may wish to participate in the Auction but may not have established an entity which complies with the applicable requirements (see Section 1.3 of the Auction Rules) at the time the Application Form and Initial Offer Document must be submitted. It is not necessary for such an entity to have been established in order for a Bidder to participate in the Auction.

8.2 In the case of a consortium, one member of the consortium will represent the consortium in the Auction to act for and on behalf of the consortium ("Consortium Lead") and participate in the Auction as a Bidder. IDA will treat the Consortium Lead as though it were participating in the Auction on the Bidder's behalf and IDA shall not have any dealings with, or responsibility to, any other members of the consortium.

8.3 For the avoidance of doubt, the Consortium Lead shall be primarily responsible for directing and coordinating the consortium's participation in the Auction and all other matters which are to be performed by the consortium.

8.4 The Consortium Lead shall also be responsible for ensuring that each member of the consortium has designated and authorised the Consortium Lead to

represent the consortium in all its dealings with IDA pertaining to the Auction and that each member of the consortium agrees that all acts, deeds and things done by the Consortium Lead shall be deemed to have been done for and on behalf of the consortium and each member thereof, including but not limited to the making of any warranties and representations. All notices, demands and communications conveyed to the Consortium Lead by IDA shall be deemed to be effectively conveyed to the consortium and each and every member thereof.

8.5 It is the responsibility of the Bidder, if successful in the Auction, to ensure that an appropriate entity owned and controlled by the Bidder, or by the consortium, in accordance with the information provided to IDA and complying with the applicable requirements (see Section A.6 of the Information Memorandum) is established before the deadline for the grant of the relevant Spectrum Right set out in the Auction Rules.

8.6 The Application Form submitted in respect of any consortium must provide details of all members of the consortium, including details of their ownership and control structure. These details will be considered by IDA in determining whether the person which submits the relevant Application Form (as the representative of the relevant consortium) is an Associated Bidder for the purposes of the Auction. All members of such a consortium must sign the schedule to the Application Form and must agree to comply with the Auction Rules, in particular the prohibitions on disclosure of information and collusion.

9. Determination as to whether the Auction will proceed

9.1 IDA retains the discretion whether to proceed with the Auction in all situations. For example, if there is only up to one valid Initial Offer received for the Available Spectrum Lots, IDA will not proceed with the Auction and may instead grant the 1800 MHz Spectrum Right in respect of the relevant 1800 MHz Spectrum Lot to the sole Bidder that submitted the Initial Offer, at the Reserve Price. Annual Charges and Application and Processing Fees will also apply.

10. Reserve Price

10.1 The Reserve Price for each Spectrum Lot is S\$300,000.00, exclusive of the applicable GST.

11. Fees and Charges Payable for the Duration of the 1800 MHz Spectrum Right

11.1 In the first year of the duration of the 1800 MHz Spectrum Right, in respect of the 1800 MHz Spectrum Lot, the Winning Bidder shall pay

(a) the Base Year Charge equal to the Going Price at the close of the Auction, or equal to the Reserve Price if the Auction does not proceed; and

(b) an Application and Processing Fee of S\$22,500.00, exclusive of the applicable GST.

11.2 In addition, the Annual Charge shall be payable by the Winning Bidder to IDA in respect of the 1800 MHz Spectrum Lot allocated to it under the 1800 MHz Spectrum Right. Such Annual Charge shall be payable from the first year for the duration of the 1800 MHz Spectrum Right in accordance with the terms and conditions of the 1800 MHz Spectrum Right. The Annual Charge for the 1800 MHz Spectrum Lot is S\$140,000.00, excluding the applicable GST.

12. Outcome of the Auction

12.1 In the case where the Auction proceeds, the outcome of the Auction will determine:

(a) which of the 3 Available Spectrum Lots will be allocated;

(b) the Bidder which is granted the 1800 MHz Spectrum Right in respect of the 1800 MHz Spectrum Lot (“Winning Bidder”); and

(c) the Base Year Charge for 1800 MHz Spectrum Lot allocated under that Auction.

12.2 Please refer to Section B for details on how the 1800 MHz Spectrum Lot will be allocated if the Auction proceeds.

13. 1800 MHz Spectrum Right, FBO Licences and Station/Network Licences, and Roll-out Requirements

13.1 An 1800 MHz Spectrum Right will constitute the grant of a right to use specific allocated parts of radio frequency spectrum to operate a telecommunication system for the purposes of providing PCMTS in relation to that 1800 MHz Spectrum Right.

13.2 The Winning Bidder will not be issued a new FBO Licence pursuant to the grant of the PCMTS Spectrum Right if it already holds an existing FBO Licence. In the event that the Winning Bidder’s existing FBO Licence does not allow the provision of PCMTS, then it must request IDA to modify the scope of its systems and services under their FBO Licences. A Winning Bidder which holds a 3G FBO Licence will need to apply for IDA’s approval to amend its existing 3G FBO Licence and Radio-Communications Network Licence in order to provide 3G services using the 1800 MHz Spectrum Right. In this regard, the existing 3G Licensee will have to pay a FBO licence fee set at 1% of the Annual Gross Turnover (“AGTO”), for the provision of 3G services under its 3G FBO Licence using the 1800 MHz Spectrum Right. If a

Winning Bidder is an existing FBO Licensee and wishes to use the spectrum to provide PCMTS services using Long Term Evolution (LTE) technologies, it will be required to seek IDA's approval to amend its existing FBO Licences and Radio-Communications Network Licences before providing such services.

13.3 If the Winning Bidder does not hold a FBO Licence at the time it is provisionally awarded a 1800 MHz Spectrum Right, it must apply for a FBO Licence within thirty Business Days of the provisional award of a 1800 MHz Spectrum Right. Details on the FBO Licensing Framework and Guidelines can be found on IDA's website at www.ida.gov.sg. Such FBO Licences must be obtained before services are provided using the 1800 MHz Spectrum Lots specified in the 1800 MHz Spectrum Right granted to such Bidder.

13.4 All holders of FBO Licences will be required to pay the annual FBO Licence fees, currently set at 1% AGTO based on the provision of services specified in the FBO Licence Schedules, subject to a minimum of S\$100,000. Please refer to IDA's website, under the section on "Policy & Regulation, Licensing", for a template of an FBO Licence.

13.5 In addition, the Winning Bidder will be required to apply for, and obtain, the relevant Station/Network (Spectrum) Licence(s) before operating the radio-communication systems to provide PCMTS using the 1800 MHz Spectrum Lot. The fees payable on such Station/Network (Spectrum) Licences are prescribed in Part I of the First Schedule of the Telecommunications (Radio-communication) Regulations.

13.6 The 1800 MHz Spectrum Right is granted by IDA pursuant to the powers granted to IDA under the Info-communications Development Authority of Singapore Act (Cap. 137A) ("IDA Act"), the Telecommunications Act (Cap. 323) ("Telecommunications Act") and the Telecommunications (Radio-communication) Regulations. A template of the 1800 MHz Spectrum Right is attached as Appendix 4 to the Auction Rules.

13.7 If the Winning Bidder does not already have a nationwide network, it is required to roll-out a nationwide PCMTS network by 31 March 2011.

14. Duration of 1800 MHz Spectrum Right

14.1 The 1800 MHz Spectrum Right granted in the Auction will be valid for a period of eight years. There is no commitment by IDA that the 1800 MHz Spectrum Right allocated under the Auction will be extended for any period, if at all.

14.2 If, at IDA's discretion, there is any grant of an extension of the 1800 MHz Spectrum Right, or if there is any new allocation exercise for spectrum in the 1800 MHz frequency band, there is no commitment by IDA that the same 1800 MHz Spectrum Lot will be reallocated in that subsequent extension or allocation exercise

to the Winning Bidder in the Auction, or that the same applicable fees and charges will apply in respect of the 1800 MHz Spectrum Lot.

14.3 The 1800 MHz Spectrum Right awarded under the Auction or otherwise allocated by IDA if the Auction does not proceed, will be effective as of 1st April 2009, or such later date as IDA may determine in accordance with the Auction Rules.

15. Spectrum Trading

15.1 IDA will permit the trading of the whole or any part of the rights allocated pursuant to the grant of the 1800 MHz Spectrum Right. Spectrum trading will be subject to:

- (a) approval from IDA;
- (b) any restriction and condition or other requirements imposed or specified by IDA; and
- (c) the relevant provisions of the Telecommunications (Radio-communication) Regulations and Code of Practice for Competition in the Provision of Telecommunication Services ("Telecom Competition Code").

16. No Moratorium

16.1 IDA may allocate further spectrum in the 1800 MHz frequency band for the provision of PCMTS or any other telecommunication services at any time, and does not commit to any moratorium period during which no such allocation will take place. However, IDA will give at least three months' notice prior to the commencement of any further allocation exercise.

17. Radio Frequency Interference

17.1 The Winning Bidder will be required to co-ordinate with other operators holding PCMTS Spectrum Rights and with neighbouring countries' network operators to avoid frequency interference problems when using the 1800 MHz Spectrum Lot. IDA will only intervene in cases where operators are unable to resolve these interference issues themselves.

18. Health and Safety Issues

18.1 The health hazards from exposure to electromagnetic fields are still largely unknown. This Information Memorandum does not express any view or opinion on such matters. The Winning Bidder is expected to be apprised of and comply with any guidelines, recommendations or other standards that may be issued by the relevant ministries or statutory boards and/or internationally recognised expert bodies in this field.

(B) INTRODUCTION TO THE AUCTION FRAMEWORK AND THE BIDDING PROCEDURE

This introduction is intended only to provide an overview of some of the main features of the Auction. Any person interested in participating in the Auction should familiarise itself with the Auction Rules and should seek appropriate independent legal and other advice in respect of the Auction Rules.

1. Pre-Auction

1.1 To be registered as a Bidder entitled to participate in the Auction, an interested person must, by 5.00 pm on the Application Date in accordance with the Auction Rules:

- (a) submit to IDA its Application Form and its Initial Offer Document; and
- (b) deposit a Bank Guarantee with the IDA to cover the Guaranteed Amount of S\$500,000.00.

1.2 An interested person must specify in his Initial Offer Document one specific spectrum lot, from among the 3 Available Spectrum Lots, for which it submits an Initial Offer at the Reserve Price ("Specified Lot").

1.3 If there is only up to one valid Initial Offer received, IDA will not proceed with the Auction. If there is one valid Initial Offer, IDA will grant a 1800 MHz Spectrum Right in respect of the Specified Lot at the Reserve Price to the Bidder that submitted that valid Initial Offer. Annual Charges and Application and Processing Fees will also apply.

1.4 The Auction will proceed if more than one Initial Offer is received.

1.5 If IDA determines that the Auction will proceed, details of the Auction timetable and the number of Bidders participating will be notified to Bidders. An Information Session and Training Sessions will then be held to allow Bidders to familiarise themselves with the procedures for the Auction.

1.6 Authorised Representatives are required to attend the Information Session and Training Sessions on behalf of the Bidder they represent. Additional representatives of the Bidders will also be permitted to attend the Information Session, provided that no more than eight persons, inclusive of the Authorised Representatives, attend on behalf of any particular Bidder.

2. The Auction

2.1 One 1800 MHz Spectrum Right will be auctioned. The Winning Bidder will be granted the 1800 MHz Spectrum Right in respect of its Specified Lot.

2.2 The Auction will be conducted in accordance with the Auction Rules. It will follow an ascending auction format. Bidders will participate in the Auction using the Auction Software System to submit their bids. For a bid to be considered a Valid Bid, it must be above the Reserve Price and the Going Price, and be in multiples of \$10,000. The Auction will close in the first instance where no further Valid Bid is submitted within 10 minutes of the Prevailing Bid.

3. Results of the Auction

3.1 IDA will announce the results of the Auction within two Business Days (or such longer time as IDA deems appropriate which will be no more than four Business Days) of the announcement of the close of the Auction.

3.2 The 1800 MHz Spectrum Right will be granted following payment by the Winning Bidder in full of the relevant Base Year Charge, the Annual Fee for the first year and Application and Processing Fee, plus any Forfeitures imposed on the Bidder. If the Winning Bidder fails to pay such amount within the specified period, that Bidder will not be granted the 1800 MHz Spectrum Right.

4. Forfeiture and Exclusion

4.1 IDA may determine that a Bidder will forfeit amounts up to the amount of its Bank Guarantee for breaches of the Auction Rules and other conduct prejudicial to the Auction.

4.2 In addition, Bidders can be excluded from the Auction by notice from IDA in certain circumstances, including collusion between Bidders and conduct prejudicial to the Auction.

(DISCLAIMER: Neither IDA nor any of its officers or employees makes any representation nor warranty (express or implied) nor accepts nor will accept any responsibility or liability whatsoever as to, or in relation to, any errors resulting from or relating to the Auction. In no event shall IDA or any of its officers or employees be liable for any damages whatsoever resulting from or relating to the Auction. No obligation or liability whatsoever on the part of IDA or its officers or employees will arise from the advice or service provided in connection with the Auction.

Bidders are solely responsible for ensuring the security of their bids and that only their Authorised Representatives submit bids on their behalf. Neither IDA nor any of its officers or employees will accept any responsibility or liability whatsoever for any of these matters.)

(C) TIMETABLE

1. The timetable set out below is indicative only of the expected timing of certain key events prior to the start of the Auction. The Auction Rules contain provisions relating to the notice which will be given of certain dates and events in relation to the Auction.

2. Please note that IDA may at any time change any of the times or dates and/or shorten or extend the time periods set out in the Auction Rules upon giving at least twenty-four hours' notice, save in emergency situations where such changes may be made without notice.

Milestone	Date
Issue Information Memo and Auction Rules	17 Dec 2008
Latest date for submission of written queries	24 Dec 2008
Submission of Application Form, Initial Offer Document and Bank Guarantee	14 Jan 2009
Announcement of whether Auction will proceed	16 Jan 2009
Information Session	23 Jan 2009
Notification of Auction Details	30 Jan 2009
Auction Start Date	4 Feb 2009

(D) THE REGULATORY REGIME IN SINGAPORE

1. The Regulatory Authority

1.1 IDA is the authority in charge of regulating the information and communication technology industry in Singapore. IDA is a statutory board under the purview of the Ministry of Information, Communications and the Arts.

2. Relevant Legislation

2.1 There are various legislation and subsidiary legislation that is relevant to PCMTS Spectrum Rights. Persons interested in being granted a PCMTS Spectrum Right should ensure that they familiarise themselves with such legislation and seek independent legal and other appropriate advice in respect of such legislation.

2.2 The relevant legislation includes (but is not limited to):

- (a) the IDA Act;
- (b) the Telecommunications Act; and
- (c) the Telecommunications (Radio-communication) Regulations.

2.3 There are also various codes of practice governing the field of telecommunications, which include (but are not limited to):

- (a) the Telecom Competition Code 2005; and
- (b) the Code of Practice for Info-Communications Facilities in Buildings 2008 (“COPIF”).

3. The IDA Act

3.1 The IDA Act sets out the functions and powers of IDA with regard to the licensing and regulation of telecommunication systems and services in Singapore.

4. The Telecommunications Act

4.1 The Telecommunications Act is the primary legislation relating to telecommunications. The Telecommunications Act empowers IDA to grant licences for the provision of telecommunication services and to regulate the telecommunication industry in Singapore. It also authorises IDA to make regulations governing the classes of licences to be granted by IDA and the conditions for their grant, as well as the control and regulation of interference by radiowaves, electrical and other telecommunication means in Singapore. Offences and penalties relating

to the unlawful operation of telecommunication systems or services are also stipulated in the Telecommunications Act.

5. The Telecommunications (Radio-communication) Regulations

5.1 The Telecommunications (Radio-communication) Regulations was gazetted on 2 March 2001 and came into force on that date in place of the repealed Radio-Communication Regulations (which was gazetted in August 1994).

5.2 The Telecommunications (Radio-communication) Regulations set out the regulatory framework by which IDA exercises licensing and regulatory functions in respect of the allocation, management and use of radio frequency spectrum in Singapore.

5.3 All Bidders participating in the Auction should familiarise themselves with the Telecommunications (Radio-communication) Regulations.

6. The Telecom Competition Code 2005

6.1 The Telecom Competition Code first came into force on 29 September 2000. On 18 February 2005, IDA issued a revised Telecom Competition Code 2005, which came into effect on 4 March 2005. The Telecom Competition Code 2005 sets out a comprehensive regulatory framework for the development of fair and effective competition in the telecommunication industry in Singapore.

6.2 The licensing framework adopted by IDA under the Telecommunications Act, for providing telecommunication services, is divided into the following categories of licensees:

- (a) Facilities-based licensees;
- (b) Services-based licensees;
- (c) Telecommunication equipment dealer licensees; and
- (d) Self-provisioning licensees.

6.3 The Telecom Competition Code applies to the categories of licensees listed in (a), (b), and (c) above, albeit to varying degrees in recognition that certain licensees should be obliged to comply with more stringent obligations by virtue of the extent of their control over the market.

7. COPIF

7.1 The COPIF came into effect on 15 September 2008 and sets out detailed specifications and guidelines for telecommunication facilities in buildings to ensure

that architects and construction professionals include in new and re-furnished buildings adequate in-building cabling facilities and space required for the operation of installations and plants used by the public telecommunication licensees and telecommunication system licensees in providing info-communication services to building occupants.

7.2 The Telecom Competition Code and COPIF are available on the IDA website.

(E) QUERIES

1. All queries relating to this Information Memorandum and/or the Auction should be made in writing and sent by post or fax directly to IDA to be received by IDA no later than 12 noon on 24 December 2008. All queries should be addressed to the following person and sent to the following address:

Info-communications Development Authority of Singapore
8 Temasek Boulevard #14-00
Suntec Tower 3
Singapore 038988
Fax No: (65) 211 2116

For the attention of: Mr Andrew J. Haire

All queries should be marked: 1800 MHz Spectrum Auction Queries

2. Please note that all queries must be made in writing. No responses will be given to verbal queries. An electronic version must also be sent by e-mail to gregory_chia@ida.gov.sg. IDA is under no obligation to respond to any queries made. IDA may publish any queries and the answers provided on its website at <http://www.ida.gov.sg>. The identity of the person raising the query will not be published.

3. Any person considering participating in the Auction should not assume that their application to participate in, their participation in, or the results of, the Auction will be kept confidential. Queries raised by any person must be made in accordance with this Information Memorandum and the Auction Rules. IDA may also publicly announce information relating to the Auction and/or the award of 1800 MHz Spectrum Right either during or following the close of the Auction or the relevant procedure, without consulting any interested persons.